A picture is worth a thousand words...

...unless the words are from satisfied customers.

"We're very excited because we believe that DCT is a really robust system whose special strength lies in its remarkable transport drive, the DCT 700d. That's the heart of a truly amazing system that we believe will allow us to provide an even higher level of service to clients."
Jon Truckenmiller, Vice President of Engineering, **Crest National Film Labs**, Los Angeles, California

"The Ampex DCT drives will provide us with the high performance and enhanced machine control we require in order to meet the needs of both our commercial and episodic clients. Commercial clients frequently need to precisely program tape speed and motion. The DCT drives will enhance our capability in this area far beyond what can now be done with D-1."
Peter Moyer , Vice President of Post Production, **The Post Group Inc.**, Los Angeles, California

"Ampex DCT is the most significant advancement in component digital recording technology since the introduction of the D-1 format."
Ron Burdett, President, **Sunset Post Inc.**, Glendale, California

"The Ampex DCT 700s switcher is an easier mixer to come to terms with, particularly when you have a working knowledge of Macintosh® computers.
The DCT 700s has superb keyers and, when used in conjunction with the frame store and mask store, gives you great control for manipulating titles and/or pictures."
Lawrence Fee, Editor, **Windmill Lane**, Dublin, Ireland

"There are two systems that properly record and play video signals: D-1 and Ampex DCT. After careful evaluation and testing, Beta-Technik has found that the DCT system offers the better price performance value and the lower cost of ownership."
Dr. Karl Mauthe, Managing Director, **Beta-Technik**, Munich, Germany

"Component television work is a rapidly growing area of our business. The Ampex DCT 700d tape drives present a very cost-effective solution that will allow us to meet current needs while enabling us to expand further in the future."
Charles Eaton, Vice President of Engineering, **Crawford Communications**, Atlanta, Georgia

"For the first time, we will be able to offer our clients a flexible and affordable digital option for virtually all post production operations. Commercial, corporate, and television program producers will be able to realize the benefits of digital post using the Ampex DCT system."
Tom Locke, President, **Gastown Post & Transfer**, Vancouver, British Columbia

"We are particularly impressed by the ruggedness of the format and the quality of the product's engineering. We intend to introduce all the new digital formats over a period of time, but as a multi-standard workhorse machine, we found DCT to be the best."
David Pollard, Head of Post Production, **Tele-Cine**, London, England

"We think the Ampex 700d drives are going to prove very useful in augmenting our component digital capabilities. Another advantage of the drives is the fact that they can record longer program lengths than D-1 can. The Ampex 700d can take up to a three-hour cartridge, versus the ninety-plus minutes found with the D-1 format."
Mark Polyocan, Vice President, **The Tape House**, New York, New York

"It is our conclusion that the Ampex DCT system will become the workhorse post production format for commercials and entertainment television."
Larry Chernoff, President, **Encore Video**, Hollywood, California

"When faced with the need to expand the capability of our component digital edit suite, the Ampex DCT 700d tape drives provided us with a very cost effective and low maintenance alternative to D1."
Peter Skillman, Director and Chief Executive, **Apocalypse Video**, Sydney, Australia

". . . the Ampex DCT drive proved to be the best long-term solution. Now the DCT tape drives will give us the speed of an analog suite with digital component quality. It's a smart marketing move."
Peter Davies, Managing Director, **Omnicon Video**, Sydney, Australia

"We looked at a number of other component systems, and the Ampex DCT drive offered much more bang for the buck. The transport's speed, its overall design, and the fact that it can perform flawless motion control, all at a list price that was thousands of dollars less than any other system, made the DCT 700d an easy choice."
Jonathan Applebaum, Vice President of Engineering/Editorial Services, **Broadway Video**, New York, New York

"Ampex clearly understands the changing market. DCT is without question the first example of what can be done when you put the customer's priorities first and build a machine based on them. It would appear that while some of the manufacturers of VTR's are writing new chapters, Ampex has written the book."
Andrew Vere, Managing Director, **SVC Television**, London, England

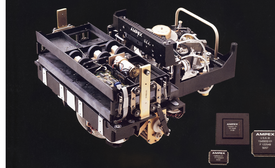
"The DCT 700d delivers a price-performance value that is unmatched for a digital component machine that is 525/625 switchable and features a built-in encoder. In fact, it's the best tape handling machine that we've ever seen."
Pat Howley, President, **Post-Perfect**, New York, New York

"The Ampex DCT System allows us to provide our clients with everything they need entirely in the digital domain. This completely integrated system is, quite simply, tomorrow's technology. The great thing about that is that it is available today."
Valentino Zappia, Director of Engineering, **Compact Video**, Burbank, California

"HBO Studio Productions has used digital component technology since the mid 1980s. Unfortunately, until today, the technology has presented certain problems, such as record length time and performance limitations of the recorder itself. The Ampex DCT 700d drive solves these problems and provides a much more cost-effective means of digital storage."
Ralph Fumante, Jr., Vice President of Operations, **HBO Studio Productions**, New York, New York

See it. Believe it.

AMPEX DCT



Precision Mechanics and Precision Electronics

Videotape recording is a mechanical process. The best electronics in the world are compromised without precision mechanics.
That's why Ampex built upon the engineering reputation established with the Ampex VPR-3 and VPR-300 to give the DCT 700d the most advanced mechanical platform in the world.
Digital recording demands tight tolerances, and those tolerances must be maintained shuttle after shuttle, hour after hour, day after day.
But the drive must also handle ultra-thin tapes with unerring precision, so we designed the DCT 700d with frictionless air-lubricated tape guides and eliminated the pinch roller used in less-sophisticated tape drives, resulting in the gentlest tape handling in the world. This allows the tape to be accelerated to full wind speed in less than one second.
The drive employs both co-planar and helical threading and can read timecode without the tape touching the video heads, reducing wear and tear on the tape, heads, and your valuable time.
The DCT 700d contains over 100 ASICS, all designed by Ampex engineers exclusively for this machine.
Ampex is one of the few video companies in the world that has its own ASIC design center. In fact, only a handful of semiconductor manufacturers have a facility this advanced.
It is this kind of commitment to leading-edge technologies that sets DCT apart from all others.



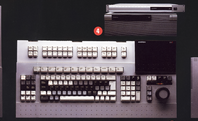




DCT 700d
Digital Component Tape Drive
The DCT 700d tape drive shares the same robust, durable, field-proven 19mm transport as other recorders such as Ampex D-2 and DST (Data Storage Technology) drives. This rugged tape drive accelerates to full wind speed in less than one second, making the DCT 700d the fastest editing digital component tape drive in the industry. A clean, functional control panel with a large interactive status display and soft keys contributes to efficient operation. Full featured editing capabilities include Animation Mode.









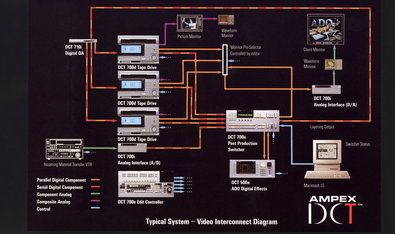
1 DCT 700s Digital Component Post Production Switcher
The DCT 700s is a digital component combiner which brings an unprecedented variety of multilayer capabilities to the mid-range post production environment. The DCT 700s provides users a complete layering tool, with powerful keyers, flexible wipes, total layer priority transition control, the superb quality and performance customers have come to expect from digital component equipment.

2 DCT 700s Computerized Edit Controller
The DCT 700s is a dual line-standard video tape editor that controls up to 7 VTRs, a video switcher, an audio mixer and 16 GPIs in one edit pass. Interfaces to a wide range of VTRs, ATRs, video switchers, audio mixers and digital effects devices, by Ampex and other manufacturers, are offered.

3 DCT 500x ADO® Digital Effects
The DCT 500x system combines exciting effects like 3-D page turns and warps, with Ampex's unparalleled digital signal processing quality. This unique combination, plus the system's accessible and easy-to-learn controls, makes DCT 500x the perfect digital effects system for the post-production facility.

4 DCT 700i Analog Interface and DCT 710i Digital D/A
The DCT 700i provides the interface between the analog component television environment and the digital component DCT environment. It can handle up to 8 analog-to-digital or digital-to-analog converters in one three-rack unit high module, with R,G,B or R, B-Y, B-Y inputs and CCIR-601 outputs.
The DCT 710i distribution amplifier provides multiple digital video feeds from a single source, such as multiple tape drives in a post production layering system. Several configurations are available for both serial and parallel systems for flexibility and economy.

5 DCT 700t Series Tape Cartridge
The DCT tape cartridge has been designed as an integral part of the DCT system. The formulation and process have been developed to produce a tape with exceptional performance characteristics and unsurpassed consistency to deliver flawless picture quality. The cartridge is available in small, medium and large cartridges for a wide variety of play lengths.



Typical System – Video Interconnect Diagram

525 625 All components of the DCT system are 525/625 switchable and 16x9 ready.

AMPEX DCT